## TRANSMITTAL

Electronic Version v1.1

Stylesheet Version v1.1.0

Title of Invention

PE-ALD OF TaN DIFFUSION BARRIER REGION ON LOW-K MATERIALS

Application Number:

Date:

First Named Applicant:

Derren N. Dunn

Confirmation Number:

Attorney Docket Number:

FIS920030181US1

I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.

I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Submitted By:	Elec. Sign.	Sign. Capacity
Jay H. Anderson	/Jay H. Anderson,	Attorney
Registered Number: 38,371	Reg. # 38,371 s /	

Documents being submitted:	Files	
us-request	FIS920030181US1-usrequ.xml	
·	us-request.dtd	
	us-request.xsl	
us-assignment	FIS920030181US1-usassn.xml	
Ŭ	us-assignment.xsl	
	us-assignment.dtd	
	aFIS920030181us1assign1.tif	
	aFIS920030181us1assign2.tif	
	aFIS920030181us1assign3.tif	
us-fee-sheet	FIS920030181US1-usfees.xml	
	us-fee-sheet.xsl	
	us-fee-sheet.dtd	
application-body	FIS92030181US1-trans.xml	
-4-4	us-application-body.xsl	
	application-body.dtd	
	wipo.ent	
	mathml2.dtd	
	mathml2-qname-1.mod	
	isoamsa.ent	
	isoamsb.ent	
	isoamsc.ent	
	isoamsn.ent	
	isoamso.ent	
	isoamsr.ent	
	isogrk3.ent	
	isomfrk.ent	
	isomopf.ent	
	isomscr.ent	
	isotech.ent	
	isobox.ent	
	isocyr1.ent	
	isocyr2.ent	
	isodia.ent	
	isolat1.ent	
	isolat2.ent	
	isonum.ent	
	isopub.ent	
	mmlextra.ent	
	mmlalias.ent	
	soextblx.dtd	
	afis920030181us1-drw1.tif	
	afis920030181us1-drw2.tif	
	afis920030181us1-drw3.tif	
	afis920030181us1-drw4.tif	
	afis920030181us1-drw5.tif	
	afis920030181us1-drw6.tif	
us-declaration	aFIS920030181us1dec1.tif	
us-declaration	aFIS920030181us1dec2.tif	
us-declaration	aFIS920030181us1dec3.tif	

Comments
ASSIGNEE NAME: INTERNATIONAL BUSINESS MACHINES CORPORATION ASSIGNEE ADDRESS: NEW ORCHARD ROAD, ARMONK, NY 10504